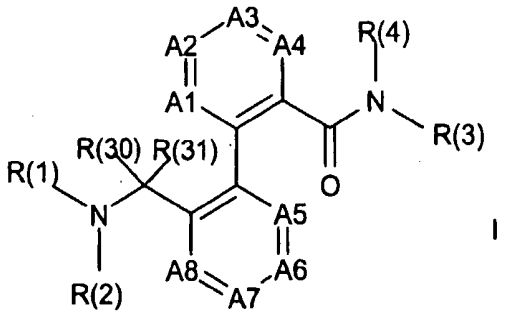
AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A compound of the formula I,



I

in which:

A1, A2, A3, A4, A5, A6, A7 and A8

independently of one another are chosen from nitrogen~~,~~ and CH ~~and CR(5)~~, at ~~least~~ one of these groups being nitrogen ~~and at least 4 of these groups being CH~~;

R(1) is C(O)OR(9)~~, SO_2R(10), COR(11), C(O)NR(12)R(13) or C(S)NR(12)R(13)~~;

wherein R(9)~~, R(10), R(11) and R(12)~~

~~independently of one another are~~ is C_xH_{2x}-R(14);

where x is 0, 1, 2, 3 or 4, and

x cannot be 0 if R(14) is OR(15) or SO_2Me;

R(14) is alkyl having 1, 2, 3, 4, 5 or 6 atoms, cycloalkyl having 3, 4, 5, 6, 7, 8, 9, 10 or 11 carbon atoms, CF_3, C_2F_5, C_3F_7, CH_2F, CHF_2, OR(15), SO_2Me, substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted biphenylyl, substituted or unsubstituted furyl, substituted or unsubstituted thienyl or a substituted or

unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,

where the substituted phenyl, substituted naphthyl, substituted biphenylyl, substituted furyl, substituted thienyl and the substituted N-containing heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, OCF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;

R(15) is alkyl having 1, 2, 3, 4 or 5 carbon atoms, cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF_3 substituted phenyl or unsubstituted phenyl,

wherein the substituted phenyl is substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino; and

R(13) is hydrogen, alkyl having 1, 2, 3 or 4 carbon atoms or CF_3;

R(2) is hydrogen~~, alkyl having 1, 2, 3 or 4 carbon atoms or CF_3~~;

R(3) is C_yH_{2y}-R(16);

where y is ~~0, 1, 2, 3 or 4, and~~

~~y cannot be 0 if R(16) is OR(17) or SO_2Me~~;

R(16) is alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms, or cycloalkyl having 3, 4, 5, 6, 7, 8, 9, 10 or 11 carbon atoms~~, CF_3, C_2F_5, C_3F_7, CH_2F, CHF_2,~~

~~OR(17), SO_2Me, substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted furyl, substituted or unsubstituted thienyl or a substituted or unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,~~

~~where the substituted phenyl, substituted naphthyl, substituted furyl, substituted thienyl and the substituted N-containing heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, OCF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino; and~~

~~R(17) is hydrogen, alkyl having 1, 2, 3, 4 or 5 carbon atoms, cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF_3, substituted phenyl, unsubstituted phenyl, substituted 2-, 3- or 4-pyridyl, or unsubstituted 2-, 3- or 4-pyridyl,~~

~~where the substituted phenyl and substituted 2-, 3- or 4-pyridyl are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, OCF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;~~

~~or~~

~~R(3) is CHR(18)R(19);~~

~~where R(18) is hydrogen or C_zH_{2z}-R(16), where R(16) is defined as indicated above;~~

~~z is 0, 1, 2 or 3;~~

~~R(19) is COOH, $CONH_2$, CONR(20)R(21), COOR(22) or CH_2OH;~~

~~R(20) is hydrogen, alkyl having 1, 2, 3, 4 or 5 carbon atoms, C_vH_{2v}-CF_3, substituted C_wH_{2w}-phenyl or unsubstituted C_wH_{2w}-phenyl,~~

~~where the phenyl ring of the substituted C_wH_{2w}-phenyl is substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;~~

~~v is 0, 1, 2 or 3;~~

~~w is 0, 1, 2 or 3;~~

~~R(21) is hydrogen or alkyl having 1, 2, 3, 4 or 5 carbon atoms; and~~

~~R(22) is alkyl having 1, 2, 3, 4 or 5 carbon atoms;~~

R(4) is hydrogen~~, alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms or CF_3;~~

~~or~~

~~R(3) and R(4)~~

~~together are a chain of 4 or 5 methylene groups, of which one methylene group can be replaced by -O-, -S-, -NH-, -N(methyl)- or -N(benzyl)-;~~

~~R(5) is independently of one another chosen from F, Cl, Br, I, CF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl or methylsulfonylamino, where in the case that more than one of the radicals A1 to A8 have the meaning CR(5), the radicals R(5) are defined independently of one another.~~

R(30) and R(31)

~~independently of one another~~ are hydrogen ~~or alkyl having 1, 2 or 3 carbon atoms~~;

or

R(30) and R(31)

together are oxygen ~~or a chain of 2 methylene groups~~;

or a pharmaceutically tolerable salt thereof, in any stereoisomeric form, or a mixture of any such compounds in any ratio.

2. (Currently amended) The compound as claimed in claim 1, wherein:

A1, A2, A3, A4 , A5, A6, A7 and A8

independently of one another are chosen from nitrogen~~,~~ and CH ~~and CR(5)~~, ~~at least one~~ one of these groups being nitrogen ~~and at least 4 of these groups being CH~~;

R(1) is C(O)OR(9)~~, SO_2R(10), COR(11) or C(O)NR(12)R(13)~~

wherein R(9)~~, R(10), R(11) and R(12)~~

~~independently of one another are~~ is C_xH_{2x}-R(14);

where x is 0, 1, 2, 3 or 4; and

x cannot be 0 if R(14) is OR(15);

R(14) is alkyl having 1, 2, 3 or 4 carbon atoms, cycloalkyl having 3, 4, 5, 6, 7, 8 or 9 carbon atoms, CF_3, OR(15), substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted biphenylyl, substituted or unsubstituted furyl, substituted or unsubstituted thienyl or a substituted or unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,

where substituted phenyl, substituted naphthyl, substituted biphenylyl, substituted furyl, substituted thienyl and the substituted N-containing heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, OCF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;

R(15) is alkyl having 1, 2, 3, 4 or 5 carbon atoms, cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF_3, substituted phenyl or unsubstituted phenyl,
wherein the substituted phenyl is substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino; and

R(13) is hydrogen, alkyl having 1, 2, 3 or 4 carbon atoms or CF_3;

R(2) is hydrogen~~, alkyl having 1, 2, 3 or 4 carbon atoms or CF_3~~;

R(3) is C_yH_{2y}-R(16);

where y is ~~0,~~ 1~~, 2, 3 or 4, and~~
~~y cannot be 0 if R(16) is OR(17) or SO_2Me~~;

R(16) is alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms, or cycloalkyl having 3, 4, 5, 6, 7, 8, 9, carbon atoms~~, CF_3, OR(17), SO_2Me, substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted furyl, substituted or unsubstituted thienyl or a substituted or unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,~~

~~where the substituted phenyl, substituted naphthyl, substituted furyl, substituted thienyl and the substituted N-containing heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, OCF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;~~

~~R(17) is hydrogen, alkyl having 1, 2, 3, 4 or 5 carbon atoms, cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF_3, substituted phenyl, unsubstituted phenyl, substituted 2-, 3- or 4-pyridyl, or unsubstituted 2-, 3- or 4-pyridyl~~

~~where the substituted phenyl or substituted 2-, 3- or 4-pyridyl are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, OCF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;~~

~~or~~

~~R(3) is CHR(18)R(19);~~

~~where R(18) is hydrogen or C_zH_{2z}-R(16), where R(16) is defined as indicated above;~~

~~z is 0, 1, 2 or 3;~~

~~R(19) is $CONH_2$, CONR(20)R(21), COOR(22) or CH_2OH;~~

~~R(20) is hydrogen, alkyl having 1, 2, 3, 4 or 5 carbon atoms, C_vH_{2v}-CF_3, substituted C_wH_{2w}-phenyl, or substituted C_wH_{2w}-phenyl,~~

~~where the phenyl ring of the substituted C_wH_{2w}-phenyl is substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, OCF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;~~

~~v is 0, 1, 2 or 3;~~

~~w is 0, 1, 2 or 3;~~

~~R(21) is hydrogen or alkyl having 1, 2, 3, 4 or 5 carbon atoms; and~~

~~R(22) is alkyl having 1, 2, 3, 4 or 5 carbon atoms;~~

R(4) is hydrogen~~, alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms or CF_3~~;

~~R(5) is independently of one another chosen from F, Cl, Br, I, CF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;~~

R(30) and R(31)

~~independently of one another~~ are hydrogen ~~or alkyl having 1, 2 or 3 carbon atoms~~;

~~or~~

~~R(30) and R(31)~~

~~are a chain of 2 methylene groups;~~

or a pharmaceutically tolerable salt thereof, in any stereoisomeric form, or a mixture of any such compounds in any ratio.

3. (Cancelled)

4. (Cancelled)

5. (Currently amended) The compound as claimed in claim 1, wherein:
in which:

A1, A2, A3, A4 , A5, A6, A7 and A8

independently of one another are chosen from nitrogen~~,~~ and CH ~~and CR(5)~~, ~~at least one and at most two~~ one of these groups are nitrogen ~~and at least 4 of these groups are CH~~;

R(1) is C(O)OR(9)~~, SO_2R(10), COR(11) or C(O)NR(12)R(13)~~;

where R(9)~~, R(10), R(11) and R(12)~~

~~independently of one another are~~ is C_xH_{2x}-R(14);

x is 0, 1, 2, 3 or 4;

R(14) is alkyl having 1, 2, 3 or 4 carbon atoms, cycloalkyl having 3, 4, 5, 6, 7, 8 or 9 carbon atoms, CF_3, substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted biphenylyl, substituted or unsubstituted furyl, substituted or unsubstituted thienyl or a substituted or unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,

where the substituted phenyl, substituted naphthyl, substituted biphenylyl, substituted furyl, substituted thienyl and the substituted N-containing heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, OCF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;

R(13) is hydrogen;

R(2) is hydrogen ~~or methyl~~;

R(3) is C_yH2_y-R(16);

where y is ~~0,~~ 1~~, 2, 3 or 4~~; ~~and~~

~~y cannot be 0 if R(16) is OR(17);~~

R(16) is alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms, or cycloalkyl having 3, 4, 5, 6, 7, 8, 9, carbon atoms~~, CF_3, OR(17), SO_2Me, substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted furyl, substituted or unsubstituted thienyl or a substituted or unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,~~

~~where the substituted phenyl, substituted naphthyl, substituted furyl, substituted thienyl and the substituted N-containing~~

~~heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, NO_2, OCF_3, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;~~

~~R(17) is hydrogen, alkyl having 1, 2, 3, 4 or 5 carbon atoms, cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF_3, substituted phenyl, unsubstituted phenyl, substituted 2-, 3- or 4- pyridyl, or unsubstituted 2-, 3- or 4- pyridyl~~

~~where the substituted phenyl or substituted 2-, 3- or 4-pyridyl are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;~~

R(4) is hydrogen ~~or alkyl having 1 or 2 carbon atoms~~;

~~R(5) is independently of one another chosen from F, Cl, Br, I, CF_3, NO_2, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl or methylsulfonylamino;~~

R(30) and R(31)

~~independently of one another~~ are hydrogen ~~or methyl~~;

or a pharmaceutically tolerable salt thereof, in any stereoisomeric form, or a mixture of any such compounds in any ratio.

6. (Currently amended) The compound as claimed in claim 5, wherein:

A4 is nitrogen ~~and A1, A2, A3, A4, A5, A6, A7 and A8 independently of one another are chosen from CH and CR(5), where at least 5 of these groups are CH;~~

~~or a pharmaceutically tolerable salt thereof, in any stereoisomeric form, or a mixture of any such compounds in any ratio~~.

7. (Currently amended) The compound as claimed in claim 6, wherein:

R(1) is C(O)OR(9)~~, SO_2R(10), COR(11) or C(O)NR(12)R(13)~~;

where R(9)~~, R(10), R(11) and R(12) independently of one another are~~ is C_xH_{2x}-R(14);

where x is 0, 1, 2 or 3;

R(14) is alkyl having 1, 2, 3 or 4 carbon atoms, cycloalkyl having 3, 4, 5, 6, 7, 8 or 9 carbon atoms, CF_3, substituted phenyl, unsubstituted phenyl, substituted pyridyl, or unsubstituted pyridyl

where the substituted phenyl and substituted pyridyl are each independently substituted by 1 or 2 substituents chosen from F, Cl, Br, I, CF_3, OCF_3, OH, alkyl having 1, 2 or 3 carbon atoms or alkoxy having 1 or 2 carbon atoms;

R(13) is hydrogen;

R(2) is hydrogen;

R(3) is C_yH_{2y}-R(16);

y ~~is 0,~~ 1 ~~or 2~~;

R(16) is alkyl having 1, 2, 3 carbon atoms, or cycloalkyl having 3, 4, 5 or 6 carbon atoms~~, CF_3, substituted phenyl, unsubstituted phenyl, substituted pyridyl, or unsubstituted pyridyl~~

~~where the substituted phenyl and substituted pyridyl are each independently substituted by 1 or 2 substituents chosen from F, Cl, CF_3, alkyl having 1, 2 or 3 carbon atoms and alkoxy having 1 or 2 carbon atoms~~;

R(4) is hydrogen;

~~R(5) is independently of one another chosen from F, Cl, CF_3, CN, COOMe, $CONH_2$, COMe, NH_2, OH, alkyl having 1, 2 or 3 carbon atoms and alkoxy having 1 or 2 carbon atoms;~~

R(30) and R(31)
~~independently of one another~~ are hydrogen ~~or methyl~~;
or a pharmaceutically tolerable salt thereof, in any stereoisomeric form, or a mixture of any such compounds in any ratio.

8. (Cancelled)

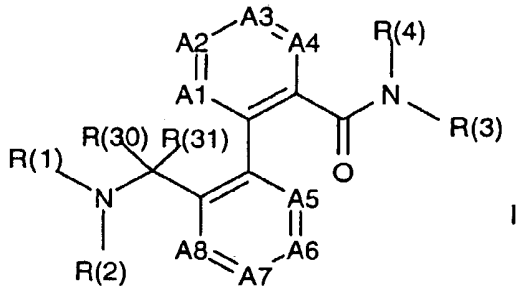
9. (Currently amended) A pharmaceutical ~~preparation~~ composition comprising an efficacious amount of at least one of the compounds of claim 1 and at least one additional component chosen from pharmaceutically acceptable vehicles, pharmaceutically acceptable additives and other pharmacological active compounds.

10. - 18. (Cancelled)

This application claims the benefit of foreign priority under 35 U.S.C. §119 of German patent application no. 10060807.8-44, filed on December 7, 2000 the contents of which are incorporated by reference herein.

The present invention relates to ortho, ortho-substituted nitrogen-containing bisaryl compounds. Embodiments of the invention include processes for their preparation, their use as medicaments, and pharmaceutical preparations comprising them.

The present invention relates to ortho, ortho-substituted nitrogen-containing bisaryl compounds of the formula I,



I

in which:

A1, A2, A3, A4, A5, A6, A7 and A8

independently of one another are chosen from nitrogen, CH and CR(5), at least one of these groups being nitrogen and at least 4 of these groups being CH;

R(1) is C(O)OR(9), SO_2R(10), COR(11), C(O)NR(12)R(13) or C(S)NR(12)R(13);

wherein R(9), R(10), R(11) and R(12)

independently of one another are C_xH_{2x}-R(14);

where x is 0, 1, 2, 3 or 4, and

x cannot be 0 if R(14) is OR(15) or SO_2Me;

R(14) is alkyl having 1, 2, 3, 4, 5 or 6 atoms, cycloalkyl having 3, 4, 5, 6, 7, 8, 9, 10 or 11 carbon atoms, CF_3, C_2F_5, C_3F_7, CH_2F, CHF_2, OR(15), SO_2Me, substituted or unsubstituted phenyl,